



Federal Communications Commission

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public burden estimate.

Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: July 1, 2016 - June 30, 2017

Filing Confirmation Number: 0007856397

Filing Deadline: July 17, 2017

FRN: 0005899216

Filing Date: 07/17/2017 10:04 AM

General Report Information

Type of Company

Device Manufacturer

De Minimis Exception

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? No

Were you a small entity at any time during the three years prior to the end of the reporting period? No

Date that you ceased to be a small entity?

Company Information

Company Name: Apple Inc.

Brand Names: Apple

PO Box:

Street Address: 10500 N. De Anza Blvd., Mail Stop 35-3MP

City: Cupertino

State: CA

Zip Code: 95014

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Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? Yes

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Product Labeling

Do all hearing aid-compatible handsets include labeling? No

Explain: All iPhones marketed during the reporting period are hearing-aid compatible, and all iPhones currently include product labeling. However, a subset of iPhones sent to Puerto Rico during the reporting period inadvertently were packaged with external labels intended for distribution in Latin America. Although these iPhones were hearing aid compatible, the labels did not include the U.S. HAC ratings. Apple disclosed this issue to FCC staff and took corrective action.

Do all hearing aid-compatible handsets that were tested under ANSI C63.19-2007, and that are capable of voice communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19-2007, include the required language disclosing that the handset has not been rated for hearing aid compatibility with respect to such operation?

N/A

Explain:

Do all hearing aid-compatible handsets that were certified only under ANSI C63.19-2007, but that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19-2011 for one or more operations that are not covered under ANSI C63.19-2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?

N/A

Explain:

Do all handsets that are capable of use for Voice over LTE, and that were certified for inductive coupling capability under ANSI C63.19-2011 without being tested for inductive coupling capability over VoLTE, include language disclosing that they were not tested with respect to this operation?

Yes

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Explain:

Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Service provider websites must include the levels of functionality that the service provider has defined, the level that each hearing aid-compatible model falls under, and an explanation of how the functionality of the handsets varies at the different levels. Yes

Website address: apple.com/support/hac

Explain:

Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Apple maintains an accessibility website at www.apple.com/accessibility/. This website includes web pages describing iPhone accessibility features and solutions for those with hearing loss, including iPhone support for FaceTime video calls, closed captioning, messages with iMessage, mono audio, visible and vibrating alerts, and TTY. Additional information on accessibility is available on this website, including through Apple's Voluntary Product Accessibility Templates, which describe how iPhone addresses accessibility guidelines under Section 508 of the Rehabilitation Act. The Apple accessibility

website also includes an email address/link (accessibility@apple.com) which allows customers to provide Apple with feedback, comments, or questions regarding accessibility products or solutions offered by Apple.

Apple also communicates directly with members of the community and advocacy organizations to receive feedback, feature requests, and other suggestions to continue to innovate for end users.

Finally, Apple participates in the Mobile Manufacturers Forum Global Accessibility Reporting Initiative ("GARI"), a project that helps consumers learn about handset accessibility features, including hearing aid compatibility. Information about Apple handsets is available through GARI's website at www.gari.info, as well as through the Access Wireless website (www.accesswireless.org) operated by CTIA-The Wireless Association.

Hearing Aid Testing

How many handset models were tested for hearing aid compatibility during the reporting period? 4

Report Remarks

All current iPhone models are compatible with Made for iPhone hearing aids. The Made for iPhone hearing aid platform enables compatible hearing aids to interact directly with iPhones via a digital wireless connection, dramatically improving the user experience for individuals with hearing loss. Hearing aids incorporating support for the Made for iPhone hearing aid platform provide outstanding sound quality, enable many helpful new features, and are easy to set up and use. There are now more than fifty models of Made for iPhone hearing aids from multiple manufacturers covering a range of prices and degrees of hearing loss. Additional information about the Made for iPhone hearing aid platform, including a list of compatible devices, is available at www.apple.com/accessibility/ios/hearing-aids.

You have reported the following handset model summary information.
Total number of handsets offered: 10

Air Interface	Fully Hearing Aid Compatible		Acoustic Coupling Compatible Only		Non-Compliant Handsets		Total by Air Interface
	Number	Percent	Number	Percent	Number	Percent	
GSM	10	100%					10
CDMA	8	100%					8
WCDMA	10	100%					10
LTE	10	100%					10
Wi-Fi	10	100%					10

Handset 1: Apple iPhone 6

Handset Maker

Apple

Handset Model Name

iPhone 6

FCC ID

BCG-E2816A

Air Interfaces/Frequency Bands

700 MHz LTE

800 MHz CDMA

800 MHz LTE

850 MHz GSM

850 MHz CDMA

850 MHz WCDMA

850 MHz LTE
1700 MHz CDMA
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 07/16 to 09/16

Ratings

M-Rating: M3

M-Rating Certification Date: 09/09/14

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/09/14

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 6 includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 6 is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 6 frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 6 supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 2: Apple iPhone 6 Plus

Handset Maker

Apple

Handset Model Name

iPhone 6 Plus

FCC ID

BCG-E2817A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
800 MHz LTE
850 MHz GSM
850 MHz CDMA
850 MHz WCDMA

850 MHz LTE
1700 MHz CDMA
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 07/16 to 09/16

Ratings

M-Rating: M3

M-Rating Certification Date: 09/09/14

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/09/14

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 6 Plus includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 6 Plus is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 6 Plus frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 6 Plus supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 3: Apple IPHONE 6S

Handset Maker

Apple

Handset Model Name

IPHONE 6S

FCC ID

BCG-E2946A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
800 MHz LTE
850 MHz GSM
850 MHz CDMA
850 MHz WCDMA

850 MHz LTE
1700 MHz CDMA
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi
2300 MHz LTE

Dates

This handset model was offered from: 07/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 09/09/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/09/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 6s includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 6s is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 6s frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 6s supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 4: Apple IPHONE 6S PLUS

Handset Maker

Apple

Handset Model Name

IPHONE 6S PLUS

FCC ID

BCG-E2944A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
800 MHz LTE
850 MHz GSM
850 MHz CDMA

850 MHz WCDMA
850 MHz LTE
1700 MHz CDMA
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi
2300 MHz LTE

Dates

This handset model was offered from: 07/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 09/09/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/09/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 6s Plus includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 6s Plus is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 6s Plus frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 6s Plus supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 5: Apple iPhone 7 (A1660)

Handset Maker

Apple

Handset Model Name

FCC ID

iPhone 7 (A1660)

BCG-E3085A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
850 MHz GSM
850 MHz WCDMA

850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi
2300 MHz LTE
2600 MHz LTE

Dates

This handset model was offered from: 09/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 09/07/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/07/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 7 includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 7 is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 7 frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 7 supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 6: Apple iPhone 7 (A1778)

Handset Maker

Apple

Handset Model Name

iPhone 7 (A1778)

FCC ID

BCG-E3091A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA

1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi
2300 MHz LTE
2600 MHz LTE

Dates

This handset model was offered from: 09/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 09/07/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/07/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 7 includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 7 is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 7 frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 7 supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 7: Apple iPhone 7 Plus A1661

Handset Maker

Apple

Handset Model Name

iPhone 7 Plus A1661

FCC ID

BCG-E3087A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM

1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi
2300 MHz LTE
2600 MHz LTE

Dates

This handset model was offered from: 09/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 09/07/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/07/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 7 Plus includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 7 Plus is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 7 Plus frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 7 Plus supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 8: Apple iPhone 7 Plus A1784

Handset Maker

Apple

Handset Model Name

iPhone 7 Plus A1784

FCC ID

BCG-E3092A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE

2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi
2300 MHz LTE
2600 MHz LTE

Dates

This handset model was offered from: 09/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 09/07/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 09/07/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone 7 Plus includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone 7 Plus is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone 7 Plus frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone 7 Plus supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 9: Apple iPhone SE (A1662)

Handset Maker

Apple

Handset Model Name

FCC ID

iPhone SE (A1662)

BCG-E2945A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz CDMA
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE

2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 07/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 03/21/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 03/21/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone SE includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone SE is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone SE frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone SE supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Handset 10: Apple iPhone SE (A1723)

Handset Maker

Apple

Handset Model Name

iPhone SE (A1723)

FCC ID

BCG-E3042A

Air Interfaces/Frequency Bands

700 MHz LTE
800 MHz CDMA
850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz CDMA
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz CDMA
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2.5 GHz LTE
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 07/16 to 06/17

Ratings

M-Rating: M3

M-Rating Certification Date: 03/21/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 03/21/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

- (1) iPhone SE includes a Hearing Aid Mode that modifies the handset's acoustic settings to improve compatibility with hearing aids set in "T" or telecoil mode.
- (2) iPhone SE is compatible with Made for iPhone hearing aids.
- (3) Support for iPhone SE frequency bands and air interfaces varies based on the carrier to which the handset is assigned.
- (4) iPhone SE supports additional frequency bands that do not operate in U.S. territories and that were not certified under U.S. HAC rules.

Certification

This Report has been certified by:

Paul Margie attorney
07/17/2017 10:04 AM